

Study Number: C94043-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Gender:

PWG Approval Date

PA48: Summary of Tissue Concentration

Test Compound: Sodium Metavanadate

CAS Number: 13718-26-8

C94043-01

Both

See web page for date of PWG Approval

Date Report Requested: 05/22/2020

Time Report Requested: 06:21:27

Lab: Battelle

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| Phase | Dose (mg/L) | Male | | |
|-------|--|------|-----------------|----------------|
| | | 0 | 125 | 500 |
| SD 15 | Whole Blood Vanadium Concentration (ng/ml) | BD | 173 ± 12.7 (5) | 445 ± 46.6 (5) |
| SD 15 | Plasma Vanadium Concentration (ng/ml) | BD | 297 ± 17.9 (5) | 759 ± 79.9 (5) |
| SD 15 | Liver Vanadium Concentration (ng/g) | BD | 1040 ± 85.2 (5) | 2700 ± 294 (5) |

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| Phase | Dose (mg/L) | Female | | |
|-------|--|--------|----------------|-------------------|
| | | 0 | 125 | 500 |
| SD 15 | Whole Blood Vanadium Concentration (ng/ml) | BD | 189 ± 12.4 (5) | 586 ± 105 (5) |
| SD 15 | Plasma Vanadium Concentration (ng/ml) | BD | 341 ± 31.4 (5) | 1050 ± 202 (5) |
| SD 15 | Liver Vanadium Concentration (ng/g) | BD | 750 ± 44.0 (5) | 2400 ± 284 (5) ** |

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LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

SD – Study Day

If over 20% of the animals in a group are above the limit of detection, then 1/2 the limit of detection value is substituted for values that are below the limit of detection.

When the control group did not have over 20% of its values above the limit of detection, no mean or standard error were calculated; no statistical analysis was done for the endpoint.

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

BD - Group did not have over 20% of its values above the limit of detection.

**** END OF REPORT ****